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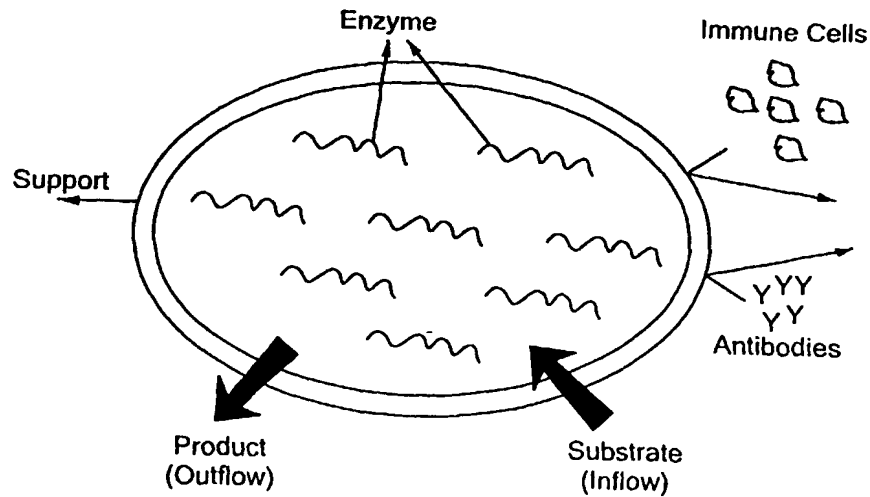


FIG. 1

Illustration of an immobilized enzyme system according to the prior art.

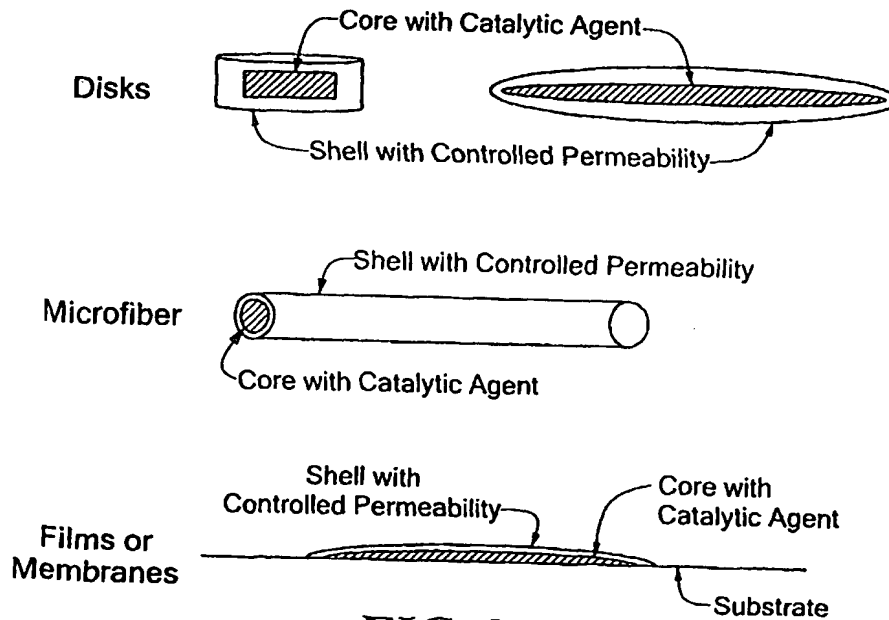


FIG. 2

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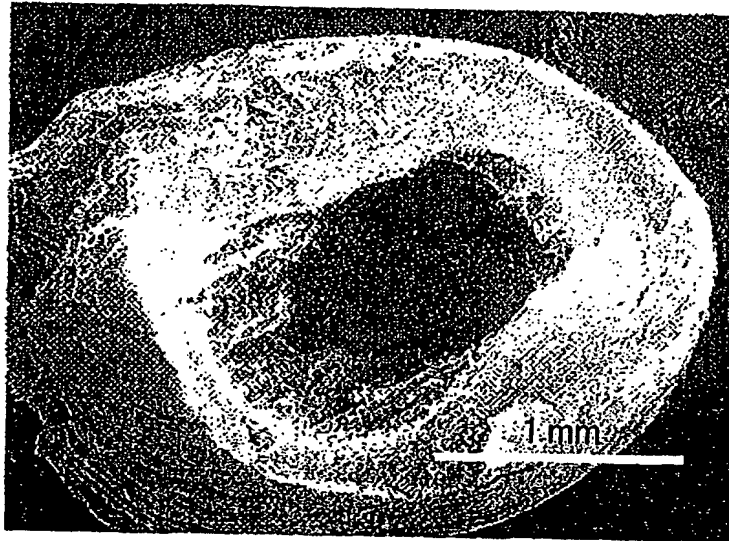


FIG. 3

SEM image of a freeze-dried plain chitosan microcapsule.

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FIG. 4A

SEM image of a chitosan-Ca²⁺-alginate hybrid microcapsule

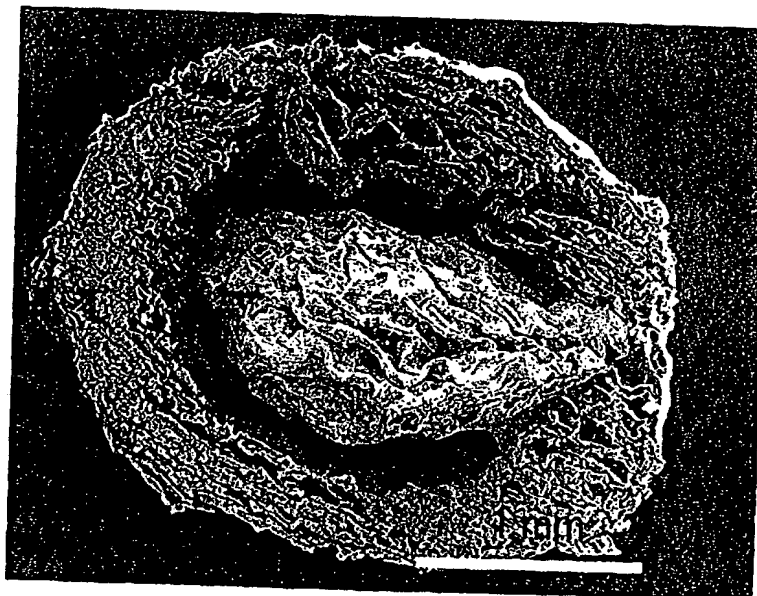


FIG. 4B

SEM image of a chitosan-Ba²⁺-alginate hybrid microcapsule

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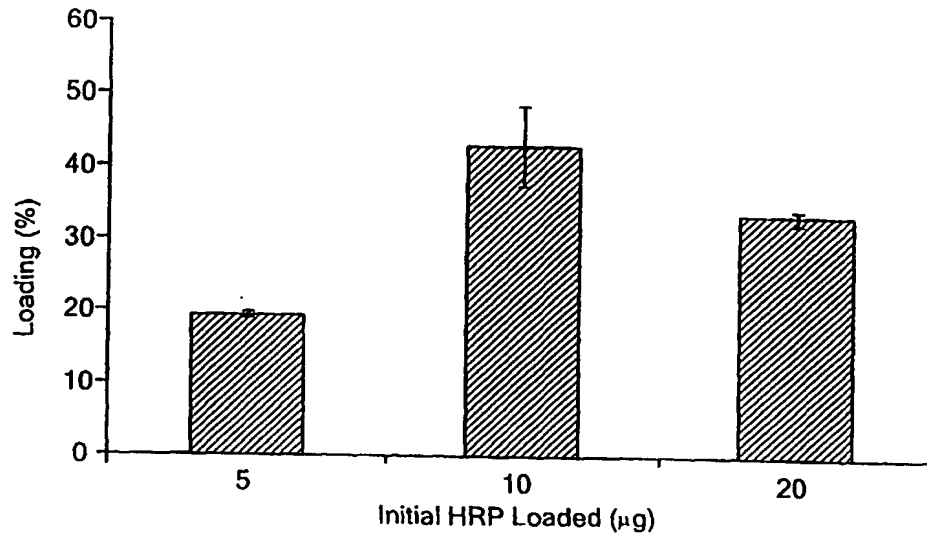


FIG. 5

Loading percentage with different initial loading amounts of HRP

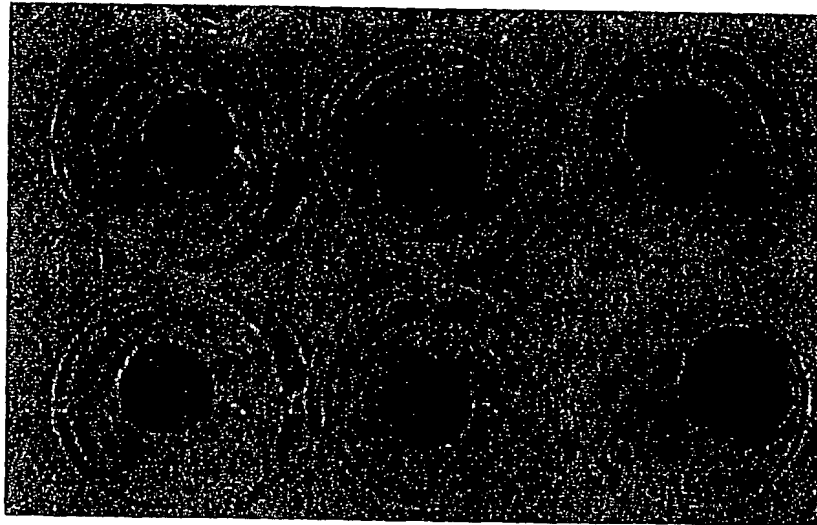


FIG. 6

Photograph of HRP-loaded hybrid microcapsules incubated with Amplex Red[®]. The dark center indicates localization of the enzyme in the core of the bead.

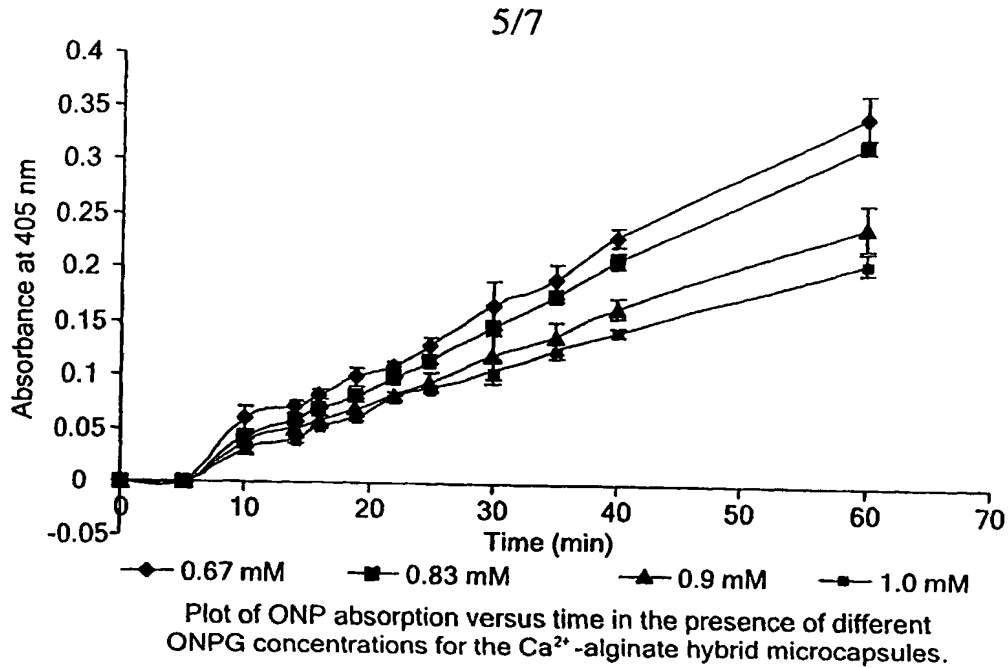


FIG. 7

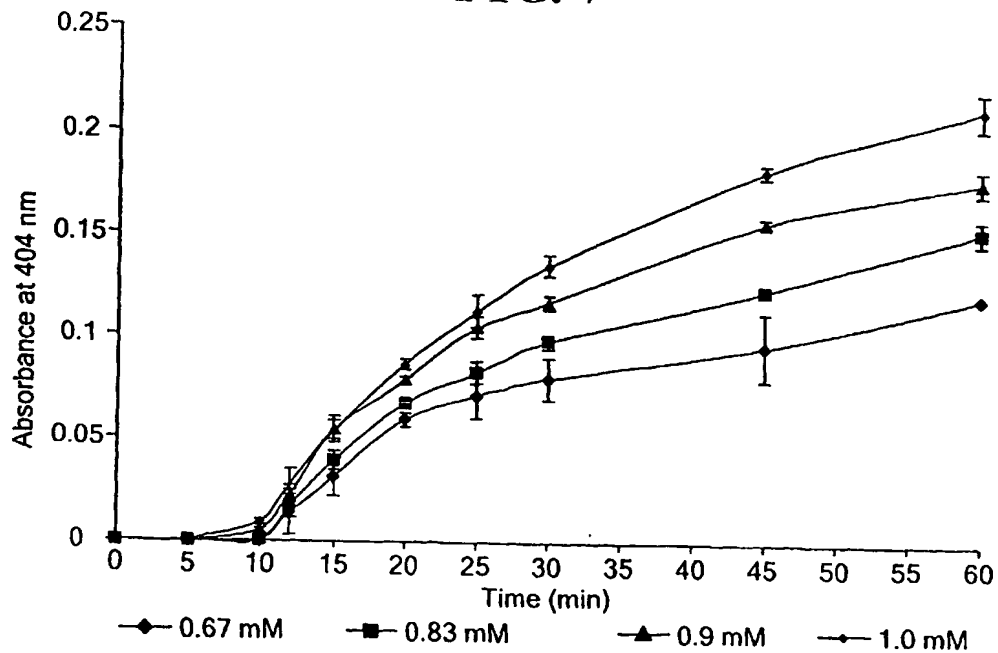
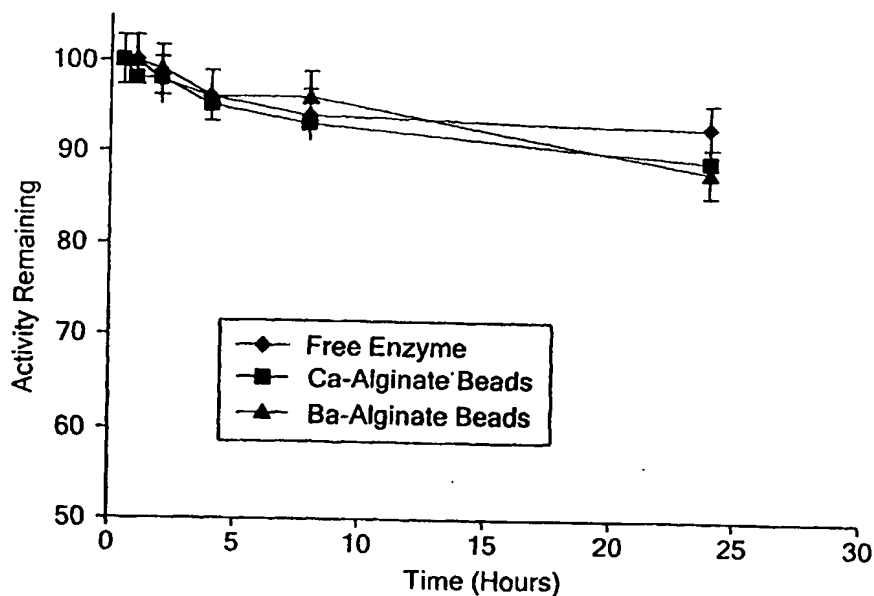


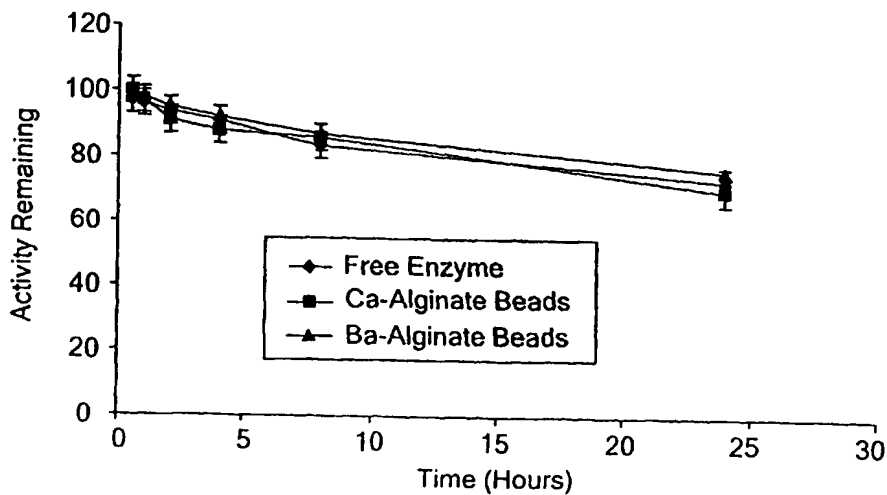
FIG. 8

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Stability profiles of the three enzyme forms at 4° C

FIG. 9



Stability profiles of the three enzyme forms at 25° C

FIG. 10

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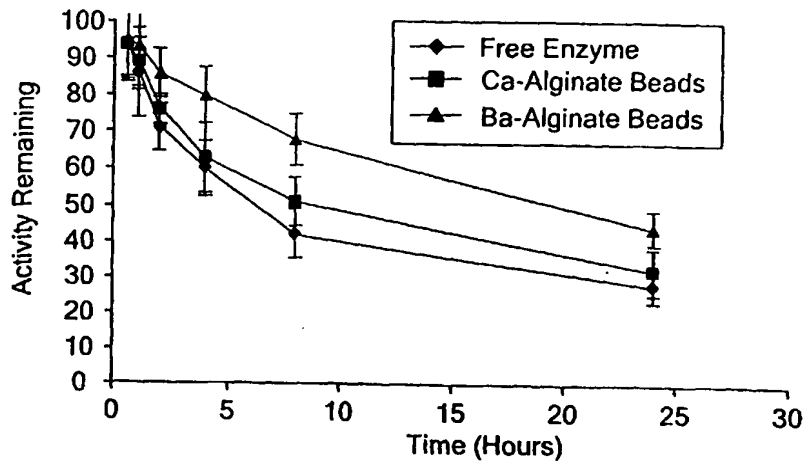


FIG. 11

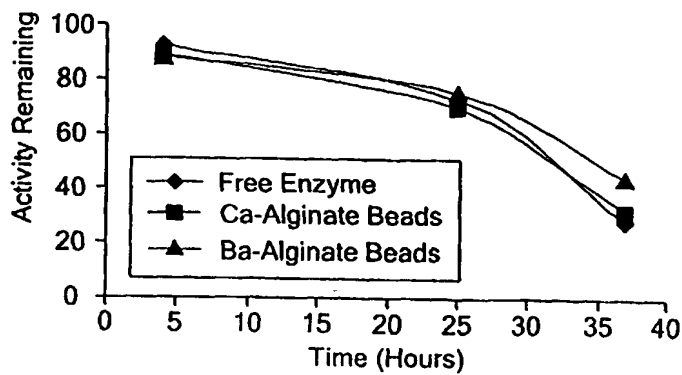


FIG. 12

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